

# Electricity + Control July 2016



## SEZ who?

Ever heard of a SEZ? A Special Economic Zone. According to a recent African Independent report by Wil Huang, 'SEZs are the way to go for South Africa'. The South African government intends to enhance collaboration in the development of industrial production capabilities by establishing industrial parks, clusters technology parks, engineering centres, and SEZs, as well as providing engineering and technical training.

The SEZ concept has been successful in China and is seen to be a positive move in African countries becoming industrialised. SEZ is related to the concept of the Industrial Development Zone (IDZ)... the success of which can be seen in places such as Coega, for example. This would be great way of addressing lack of education and unemployment... and would surely be good for a country that is in desperate need of having its spirit lifted.

SEZ who...you may rightly wonder? Well, it comes from the top! President Zuma... in his speech at the Forum on China-Africa Cooperation (December 2015).

Until next time.

Enjoy the articles

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## Feature articles in Electricity+Control, July 2016• Control systems + automation

**Impact of energy management on Process Automation Systems - Peter Hogg, Schneider Electric**

The key functions of an energy-aware Process Automation System (PAS) and how its links between

production and energy result in increased production and energy efficiency.

- **Drives, motors + switchgear**

**Matching load and servo motor sizes** - *Glyn Craig, Techlyn*

This article, the fourth in the series published by Electricity+Control, deals with stability in practical systems.

- **Flow measurement + instrumentation**

**Traceability and validation of liquid flow measurands** - *Dr Nicolaus Mathies, Krohne*

The article describes the requirements on liquid flow meters with regard to the measurement accuracy.

- **Valves + actuators**

**Assessing control valves and their performance** - *Jim Shields, Fluke Corporation*

When assessing control valves and their performance, you need to understand the different types of valves and what they can be tested for.

- **Energy + enviroFiciency**

**Helping communities adapt to Climate Change: Approaches to drought and flood in North-Central Namibia** -

*Margaret N Angula and Dian Spear, Adaptation at Scale in Semi-Arid Regions (ASSAR) project*

In the community of Onesi in Omusati region in north-central Namibia along its border with Angola, farmers and residents know only too well the catastrophic effects of alternating drought and flood.

- **A sense of Africa**

*Roger Dixon of SRK Consulting (Africa) discusses 'Energy innovations to bring prosperity to Africa'*

With fast developing renewable energy technologies, affordable energy in all households in Africa is a realistic possibility.